



Serial No. 09/839,914

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

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GROUP 3600

Claims 1-14 (cancelled)

Claim 15 (new) An apparatus comprising:

a hydraulic fluid operated automatic transmission for transmitting motive power from an engine of a vehicle to drive wheels of the vehicle;

a hydraulic fluid power assisted steering gear for effecting steering movement of steerable wheels of the vehicle, said steering gear including a fluid motor;

a body of hydraulic fluid for operating both of said automatic transmission and said steering gear;

a reservoir for storing a portion of said hydraulic fluid;

a transmission fluid pump connected with said reservoir for pumping hydraulic fluid between said reservoir and said automatic transmission at a relatively low pressure;

a power steering pump connected with said reservoir, and separate from said transmission fluid pump, for pumping hydraulic fluid between said reservoir and said fluid motor at a relatively high pressure; and

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a cooler for cooling said hydraulic fluid, said transmission fluid pump being operative to pump hydraulic fluid between said reservoir and said cooler.

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Claim 16 (new) The apparatus as set forth in claim 15 further comprising a plurality of power steering fluid lines interconnecting said power steering pump and said reservoir and said fluid motor for transmitting hydraulic fluid between said power steering pump and said reservoir and said fluid motor, said plurality of power steering fluid lines forming a fluid flow path of said hydraulic fluid for operating said steering gear that is connected in fluid communication with a fluid flow path of said hydraulic fluid for operating said automatic transmission.

Claim 17 (new) The apparatus as set forth in claim 15 further comprising a filter for filtering said hydraulic fluid, said filter filtering said hydraulic fluid between said reservoir and said transmission fluid pump, said filter further filtering said hydraulic fluid between said reservoir and said power steering pump.

Claim 18 (new) The apparatus as set forth in claim 15 wherein said transmission fluid pump is connected in line between said reservoir and said power steering pump so that said transmission fluid pump and said power steering pump are in series, a first output line being connected to said transmission fluid pump and directing hydraulic fluid to said

automatic transmission and a second output line being connected to said transmission fluid pump and directing hydraulic fluid to said power steering pump.

Fig. 2 19 (new) An apparatus comprising:

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a hydraulic fluid operated automatic transmission for transmitting motive power from an engine of a vehicle to drive wheels of the vehicle;

a hydraulic fluid power assisted steering gear for effecting steering movement of steerable wheels of the vehicle, said steering gear including a fluid motor;

a body of hydraulic fluid for operating both of said automatic transmission and said steering gear;

a reservoir for storing a portion of said hydraulic fluid;

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a power steering pump connected with said reservoir for pumping hydraulic fluid between said reservoir and said automatic transmission and said fluid motor, said power steering pump being operable for providing hydraulic fluid at a pressure high enough to operate said power steering gear;

a cooler for cooling said hydraulic fluid, said cooler located downstream of said power steering pump; and

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a pressure reducer located downstream of said power steering pump and upstream of said automatic transmission for receiving hydraulic fluid from said power steering pump and for reducing the pressure of the hydraulic fluid provided to said automatic transmission.

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Claim 20 (new) The apparatus as set forth in claim 19 further comprising a filter for filtering said hydraulic fluid, said filter filtering said hydraulic fluid supplied to both said fluid motor of said steering gear and said automatic transmission.

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Claim 21 (new) The apparatus as set forth in claim 19 wherein said cooler is located downstream of said pressure reducer and said automatic transmission, said cooler receiving said hydraulic fluid from said automatic transmission.

Fig. 1
in series
pump
Claim 22 (new) An apparatus comprising:

a hydraulic fluid operated automatic transmission for transmitting motive power from an engine of a vehicle to drive wheels of the vehicle;

a hydraulic fluid power assisted steering gear for effecting steering movement of steerable wheels of the vehicle, said steering gear including a fluid motor;

a body of hydraulic fluid for operating both of said automatic transmission and said steering gear;

a reservoir for storing a portion of said hydraulic fluid;

2 pumps
a transmission fluid pump connected with said reservoir for pumping hydraulic fluid between said reservoir and said automatic transmission at a relatively low pressure;

a power steering pump connected in series with said transmission fluid pump for receiving hydraulic fluid from

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said transmission fluid pump and for pumping hydraulic fluid to said fluid motor at a relatively high pressure; and

a cooler for cooling said hydraulic fluid, said transmission fluid pump being operative to pump hydraulic fluid between said reservoir and said cooler.

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Claim 23 (new) The apparatus as set forth in claim 22 further comprising a filter for filtering said hydraulic fluid, said filter filtering said hydraulic fluid supplied to both said fluid motor of said steering gear and said automatic transmission.

Claim 24 (new) The apparatus as set forth in claim 22 wherein said cooler is located downstream of said automatic transmission and receives said hydraulic fluid from said automatic transmission.

Claim 25 (new) The apparatus as set forth in claim 22 wherein a first output line is connected to said transmission fluid pump and directs hydraulic fluid to said automatic transmission and a second output line is connected to said transmission fluid pump and directs hydraulic fluid to said power steering pump.

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